

# The Research Triangle

North Carolina has a special, and in certain way, unique resource for the development of industry based on science. This is the Research Triangle.

The Research Triangle consists of Duke University, the University of North Carolina, and North Carolina State College.

The name "Research Triangle" was adopted because the three institutions concerned are located in a small triangular area in the heart of North Carolina. From a point in the center of this triangle it is no more than 15 miles to any one of the institutions. Research personnel on the staffs of the three institutions numbers more than 850. Their interest range from the most abstract mathematical formulations to the immediate and practical problems of the manufacturer and the farmer.

The Governor's Research Triangle Committee, Inc., has recently been organized to further the research potential of the Triangle area. The Research Triangle Committee is a non-profit, privately supported agency which works with scientists, engineers and educators of Duke University, North Carolina State College and the University of North Carolina at Chapel Hill. It was created under the sponsorship of Governor Luther H. Hodges, but is strictly a private agency. Both President William C. Friday of the University of North Carolina, and President A. Hollis Eden of Duke University are members of the Committee.

Currently more than \$7 million is budgeted for organized research at these institutions. This money comes from the

operational budgets of the three schools, from grants by government and industry, and from contracts with government and industry. The combined library facilities of the triangle institutions number more than two million volumes. And virtually every scientific periodical is available, and listed in a public check list.

Research equipment and facilities of the three include the first independently owned, unclassified nuclear reactor to be built in the nation. Scores of laboratories with the most modern scientific equipment are here. Trained personnel is provided by an increasing number of students majoring in the modern sciences. Here, in this uncrowded area and unhurried atmosphere, already distinguished for its research projects, the staff members of private laboratories and the members of the scientific schools find each other mutually stimulating. Progress is blended with pleasant living.

Haywood C. Smith, manager of the new Raleigh laboratory of the American Machine and Foundry Corporation, put it this way: "Technical people like to associate with other technical people. They like to live and work in a community where there are so many others with kindred interests. Many of our engineers are now taking additional work at State College and Duke University; and we have consulting agreements with members of the faculties of the triangle institutions. In other words, we like it here."

In stating reasons why North Carolina was selected by the Union Carbide and Carbon Corporation for the site of its new establishment for experimental

work on agricultural chemicals, Dr. G. H. Law, vice president said that one of the most important considerations was the proximity of the institutions comprising the North Carolina Research Triangle, recently formally organized by Governor Luther H. Hodges. These include Duke University at Durham, the University of North Carolina at Chapel Hill, and State College.

"This is one of the leading research areas in the country," Dr. Law said, "and being in this environment will be of great inspirational as well as technical value."

The first step in the creation of the Research Triangle was the taking of an inventory by a committee headed by Dean J. Harold Lampe of the School of Engineering at North Carolina State College. Dean Marcus Hobbs of Duke University was chairman of a special committee for this purpose. The inventory covered the resources of the three institutions and the details of field, staff personnel, library resources, special facilities and equipment, and major areas of research activity.

Here briefly are some of the facts the inventory revealed. In a compact area within the center of the State there are two medical schools, a school of dentistry, two engineering schools, two schools of forestry, a school of textiles, a school of agriculture, including an agricultural experiment station, a school of public health, a school of business administration, an institute of statistics in which is located the world's highest concentration of professional research statisticians, an institute of government, and a number of other